

# Work Order ID 61742

September 1, 2010 11:32:24 AM



Page 1

Item ID: D2011-101

Accept



Setup Start



Revision ID:

Stop



Item Name: 6" Mirror

Start Date: 9/01/10

Start Qty: 50.00



Cust Item ID:

Required Date: 9/02/10

Req'd Qty: 50.00



Customer:

Reference:

Run Start



Approvals: Process Plan: CZ

Date: 10/9/01

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D2011

Rev G

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 12484 ☐ Mirror P/N: CHM10601 ☐ Possible supplier:

Auto Parts Extra ☐ Material release note required

CZ 10/9/1 50

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Ensure material certification is attached

CZ 9/2 50

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

5 10/09/07

count  
50

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Start Date: 9/01/10

Start Qty: 50.00



Cust Item ID:

Required Date: 9/02/10

Req'd Qty: 50.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130



Small Fab

Small Fab

0.00

Memo

0.00

1- Wrap mirror with plastic wrap

2- Discard Hardware & Install new hardware loosely

3- Crimp stud as per Dwg D2011

*Signature* 9/10/08 (50)

140



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

4- Test assembly to 50lbs pull test after 24 hours

*Signature* 9/10/08

*Signature* (50)

150



Packaging

Packaging

Identify as per dwg & Stock Location: 127

0.00

Memo

232

0.00

*Signature* 9/10/08 (50)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 61742**

September 1, 2010 11:32:24 AM



Page 3

Item ID: D2011-101

Accept



Setup Start



Revision ID:

Stop



Item Name: 6" Mirror

Start Date: 9/01/10 Start Qty: 50.00



Cust Item ID:

Required Date: 9/02/10 Req'd Qty: 50.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/09/09 *[Signature]*10-9-09  
(50)

# Picklist Print

September 1, 2010 11:32:24 AM

Page 1

Work Order ID: 61742

Parent Item: D2011-101

Parent Item Name: 6" Mirror



Start Date: 9/01/10

Required Date: 9/02/10

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP: J04.09.15 Added Steps 5-7 KJ/JLM IPP:  
K05.12.15 chg black sikaflex for white EC IPP L 08.11.06 new  
drawing EC verify: DD IPP: M 08.12.19 Added step 3 KJ Verified  
by: LL IPP rev N 10.01.13 added wrap per ncr09-118 EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN960JD416L  Washer	NAS1149D0416J	Purchased	No			110	Each	309.0000	1	50		9/5/10/09/08	
				<u>Location</u>				<u>Loc Qty</u>	<u>Loc Code</u>				
				ST346				309				50	
				106785				60					
				110153				249					
CHM-10601  Mirror 6"		Purchased	No			130	Each	6.0000	1	50		9/5/10/09/08	
				<u>Location</u>				<u>Loc Qty</u>	<u>Loc Code</u>				
				ST				6					
				58398				6					
D2829  Threaded Stud		Manufactured	No			130	Each	60.0000	1	50		9/5/10/09/08	
				<u>Location</u>				<u>Loc Qty</u>	<u>Loc Code</u>				
				ST025				60					
				54930				2					
				56986				2					
				58567				56 ✓				50	

w/o 61742 (502)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

# Picklist Print

Page 2

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Work Order ID: 61742

Parent Item: D2011-101

Parent Item Name: 6" Mirror



Start Date: 9/01/10

Required Date: 9/02/10

Start Qty: 50.00

Required Qty: 50.00

D3014-1

Manufactured No

130

Each

303.0000

1

50



Locknut



*Handwritten signature*  
50  
50

Location

Loc Qty

Loc Code

ST033

303

18605

303



**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

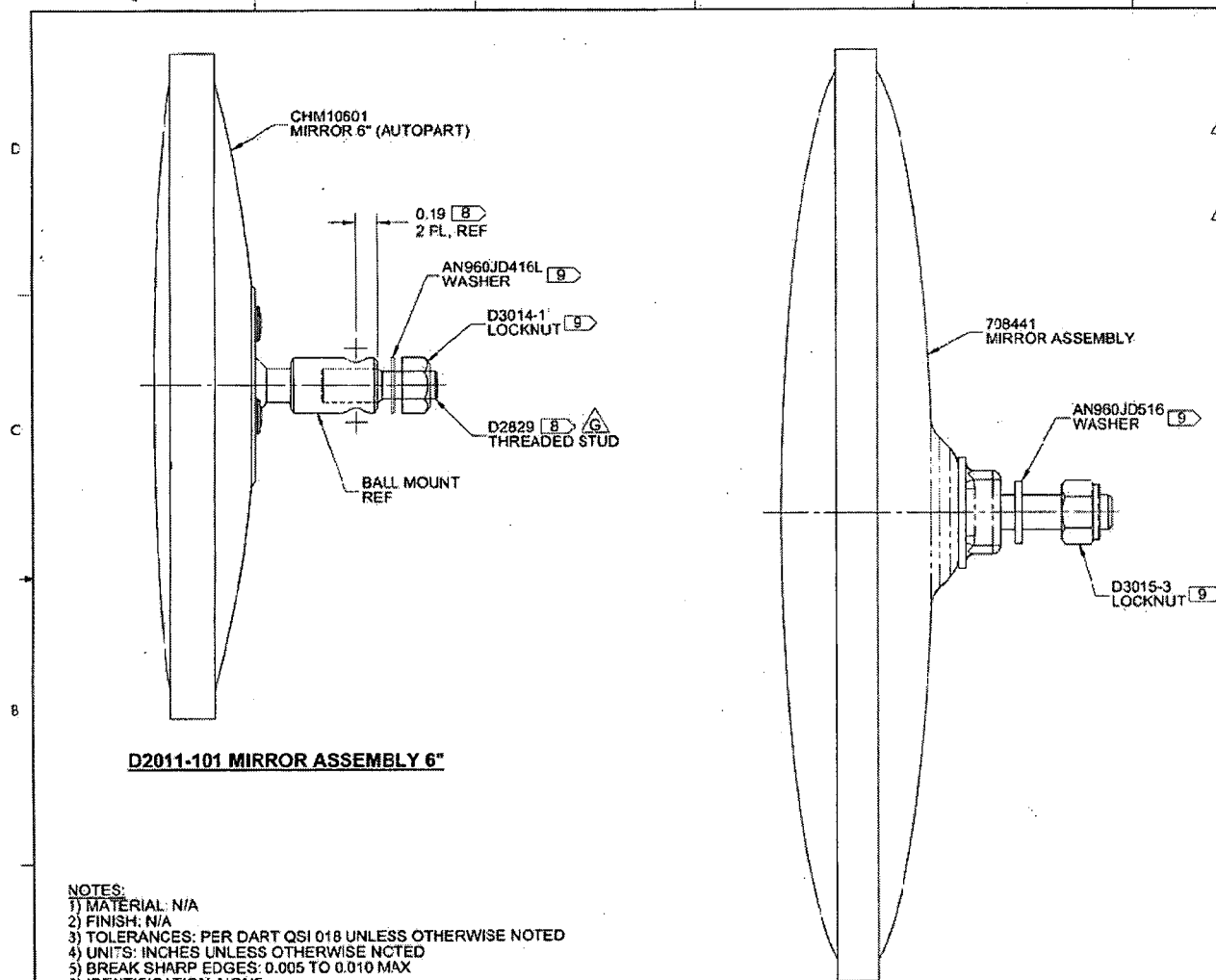
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

8 7 6 5 4 3 2 1



**D2011-101 MIRROR ASSEMBLY 6"**

**D2011-103 MIRROR ASSEMBLY 8"**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D2011-101 = 0.6 lbs APPROX. ; D2011-103 = 1.0 lbs APPROX.
- 8) D2829 INSTALLATION PROCEDURE:
  - APPLY LOCKTITE 262 TO  $\phi 5/16$  END OF D2829
  - THREAD BY HAND INTO BALL MOUNT UNTIL ENTIRE  $\phi 5/16$  END OF D2829 IS WITHIN BALL MOUNT
  - CRIMP BALL MOUNT ON TWO OPPOSING SIDES, 0.13 FROM END AS ILLUSTRATED USING TOOL DT8317
  - CRIMP TO DEPTH OF  $0.040 \pm 0.010$  USING R0.125
- 9) INSTALL LOOSE

ITEM	QTY -101	QTY -103	P/N	DESCRIPTION
1	X		D2011-101	MIRROR ASSEMBLY 6"
2		X	D2011-103	MIRROR ASSEMBLY 8"
3	1		D2829	THREADED STUD
4	1		D3014-1	LOCKNUT
5		1	D3015-3	LOCKNUT
6	1		CHM10501	MIRROR 6" (AUTOPART)
7		1	708441	MIRROR 8" (VELVAC)
8	1		AN960JD416L	WASHER
9		1	AN960JD516	WASHER

CH1019101  
W10:61742

**RELEASED**  
06-10-29

G	REDRAWN IN SOLIDWORKS TO CURRENT STANDARD AND TRANSFERRED TO "B" SIZE FORMAT. MIRROR 6" (AUTOPART) AND CHM10501 WERE MIRROR 6" (GROTE) AND P/N 28543 (Z1 D3-1); ADDED D2829 (Z1 D3-1) AND Z1 C6-1); REMOVED DRILLING NOTE, VIEW A-A AND SIKAFLEX APPLICATION NOTE. REASON: GROTE PRODUCT IS DISCONTINUED.	MB	08.10.06
F	ADD HOLES FOR SEALANT ON -101	CP	04.09.10
E	NEW 8" MIRROR	CP	01.05.08
D	NEW 6" MIRROR, ADD NUT, REMOVED STUD	CP	01.04.23
C	REPLACE DOMINION AUTO MIRRORS WITH PHILLIPS, ADDED STUDS, REDRAWN	RF	99.06.01
B	SIKAFLEX 241 ADDED	JB	98.04.09
A	DWG NO. WAS DSP1011, ADDED -103	JB	90.05.15
-	NEW ISSUE	JB	90.03.31
REV.	DESCRIPTION	BY	DATE

DESIGN	JB	<b>DART AEROSPACE LTD</b>	
DRAWN	JB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JB	DRAWING NO.	REV. G
MFG. APPR	JB	D2011	SHEET 1 OF 1
APPROVED	JB	TITLE	SCALE
DE APPR	JB	MIRROR ASSEMBLY	NTS
DATE	08.10.06	COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

8 7 6 5 4 3 2 1



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO12484**

Purchase Order Date 9/01/10

PO Print Date 9/01/10

Page Number 1 of 1

**Order From :**

VC-AUT001

AUTO PARTS EXTRA  
1000 RUE LANSDOWNE  
HAWKESBURY, ON K6A 1H7  
CA

**Contact Name**

**Vendor Phone** 613 632 1191

**Vendor Fax** 613 632 2350

**Vendor Account Nbr**

**Buyer**

Chantal Lavoie

**Requisition Nbr**

**Tax Resale Nbr** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

**Ship To :**

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
09/01/10

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	CHM-10601	Mirror 6"	9/02/10 Yes	50.00 Each	Yours ppd	\$18.9500	\$947.50

**Special Inst:** AS PER DWG D2011 REV. G  
B61742  
AUTO PART #: CHM10601

**PO Total:**

**\$947.50**

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

**Change Nbr:** 1

**Change Date:** 9/01/10

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



**AUTO PARTS • PIÈCES D'AUTO  
TRUCK PARTS • PIÈCES DE CAMION  
PERFORMANCE PARTS • PIÈCES DE PERFORMANCE  
TIRES • PNEUS**



www.bensonautoparts.com

Past due accounts bear 2% interest per month (24% per annum). If this account is placed with a 3rd party collection, an administrative cost of 25% will be added. All exchanges and refund claims must be accompanied by this invoice. Electrical parts not returnable. All parts returned are subject to 20% handling charge. All merchandise sold on this invoice remains the vendor's property until this invoice is paid in full.  
TERMS: Payment due on 10th day of the following month.

Aucun remboursement sans cette facture. Net 30 jours. 2% de frais d'intérêt par mois (24% par année) sur compte en souffrance. 20% de frais de manutention sur toute marchandise retournée. Clause pénale une indemnité de 25% sera chargée sur compte sujet à des procédures légales. Les marchandises mentionnées : cette facture demeurent la propriété du vendeur tant qu'elles ne seront pas entièrement payées. Pièces électriques non-retournable.  
TERMES: Compte payable le 10 du mois suivant

SIGNATURE \_\_\_\_\_

1000 RUE LANDSDOWNE  
TEL: (613)632-1191

HAWKESBURY, ON K6A 1H7  
FAX: (613)632-2350

TVQ  
1016330716 TQ

GST / TPS  
10035 3366 RT0001

GST#892729922R70001

WE APPRECIATE YOUR BUSINESS--THANK YOU  
GOODYEAR'S 100TH ANNIVERSARY TIRE REBATE EVENT ON TILL JUNE 26, 2010

113336 (613)632-5200  
S VART AEROSPACE LTD.  
270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7

EXP  
SHIP  
DIER  
TO  
A

113336

\*\*\* SAME \*\*\*

DATE 9/02/10  
07:43  
11MLMLP

PO: 12484

ORD / COM	SHIP / EXP	CODE	PART No / PIÉCES	DESCRIPTION	LIST EACH / CHACUN	COST / COUTANT	EXTENSIC		
50	50	TWD>	CHM10601	6 CONV. MIRROR, S/ BOV: TWD	19.26	18.95	947.!		
	50	***	twd/23133	PIECES/CORE TOT 243					
			SHIP VIA						
INVOICE No / FACTURE		TYPE / SORTE		TOTAL	DISC / ESC	FRT / TRANS	GST / TPS	PST / TVQ	AMT to PAY //
11034677		INVOICE		947.50	0.00	0.00	123.18	0.00	1070.6